Period: Date: Name:

**Practice: Scientific Notation – c, f, and λ**

**Convert to Scientific Notation, rounding to ONE decimal place value.**

1. 3,200,000,000 =

2. 27,450,111 =

3. 260,001,420,890 =

4. 99,999 =

5. 117,212,146,313,808,167 =

6) .0000065 =

7) .00000102 =

8) .0029 =

9) .00000000000045 =

10) .00000000007951 =

**Solve, mind your S.I. Units!**

11. f=c/λ, find f when c = 3x1017nm/s, and λ = .006nm.

12. λ=c/f, find λ when c = 3x1017nm/s, and f = 1.15x1015Hz.

13. c=f λ, find c when f = 104.5Hz, and λ = 2.9x106m.